

ABSTRACT OF THE DISCLOSURE

[0107] A dielectric waveguide integrated plasma lamp (DWIPL) with a body consisting
5 essentially of at least one dielectric material having a dielectric constant greater than
approximately 2, and having a shape and dimensions such that the body resonates in at least one
resonant mode when microwave energy of an appropriate frequency is coupled into the body. A
bulb positioned in at least one lamp chamber in the body contains a gas-fill which when
receiving energy from the resonating body forms a light-emitting plasma.

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